

## CLAIMS

1. An electronic thermostat for a liquid heating apparatus having a container in which liquid is contained and a heater that is operable by electrical power to heat the liquid, the electronic thermostat comprising:
  - a mechanical switch through which electrical power is applied to the heater to increase a temperature of the liquid from an initial temperature toward a target temperature, and
  - a solid-state switch through which electrical power is applied to the heater to maintain the temperature of the liquid at substantially the target temperature.
2. A method of heating a liquid, the method comprising:
  - operating a mechanical switch to apply power to a heater to heat the liquid from an initial temperature toward a target temperature, and
  - operating a solid-state switch to apply power to the heater to maintain the liquid substantially at the target temperature.
3. In a beverage brewing apparatus, an electronic thermostat for a liquid heating apparatus having a container in which liquid is contained and a heater that is operable by electrical power to heat the liquid, the electronic thermostat comprising:
  - a mechanical switch through which electrical power is applied to the heater to increase a temperature of the liquid from an initial temperature toward a target temperature, and
  - a solid-state switch through which electrical power is applied to the heater to maintain the temperature of the liquid at substantially the target temperature.
4. A method of heating a liquid for use in a beverage brewing apparatus, the method comprising:
  - operating a mechanical switch to apply power to a heater to heat the liquid from an initial temperature toward a target temperature, and

operating a solid-state switch to apply power to the heater to maintain the liquid substantially at the target temperature.

5. An electronic thermostat kit for use in combination with a liquid heating apparatus having a container in which liquid is contained and a heater that is operable by electrical power to heat the liquid, the electronic thermostat kit comprising:

10 a mechanical switch through which electrical power is applied to the heater to increase a temperature of the liquid from an initial temperature toward a target temperature, and

15 a solid-state switch through which electrical power is applied to the heater to maintain the temperature of the liquid at substantially the target temperature.

6. An electronic thermostat for a liquid temperature modifying apparatus having a container in which liquid is contained and a temperature modifier that is operable by electrical power to at least one of heat or cool the liquid, the electronic thermostat comprising:

20 a mechanical switch through which electrical power is applied to the temperature modifier to change a temperature of the liquid from an initial temperature toward a target temperature, and

25 a solid-state switch through which electrical power is applied to the temperature modifier to maintain the temperature of the liquid at substantially the target temperature.

7. A method of modifying the temperature a liquid, the method comprising:

30 operating a mechanical switch to apply power to a temperature modifier to change the temperature of a liquid from an initial temperature toward a target temperature, and

35 operating a solid-state switch to apply power to the temperature modifier to maintain the liquid substantially at the target temperature.